FIG. 1

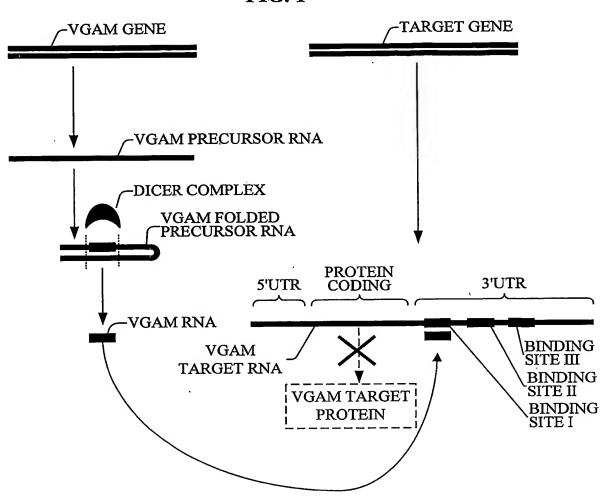
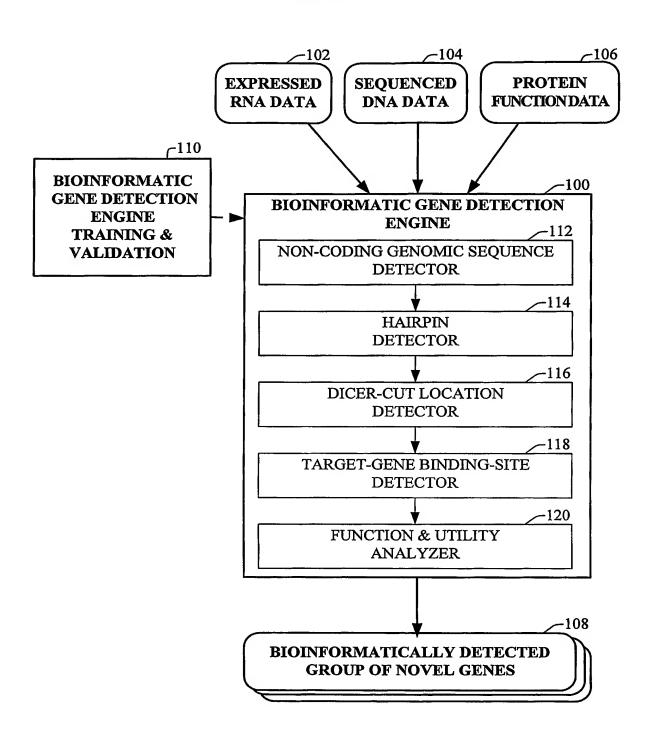


FIG. 2





## FIG. 3

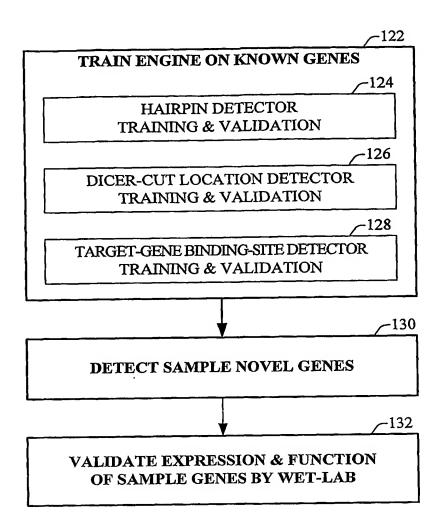


FIG. 4A

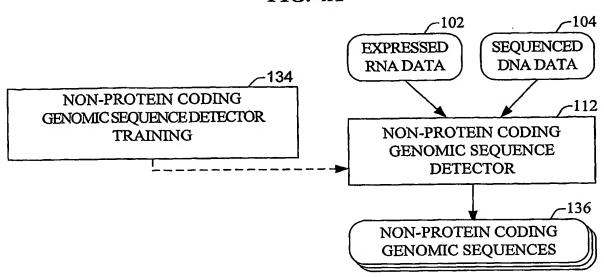


FIG. 4B

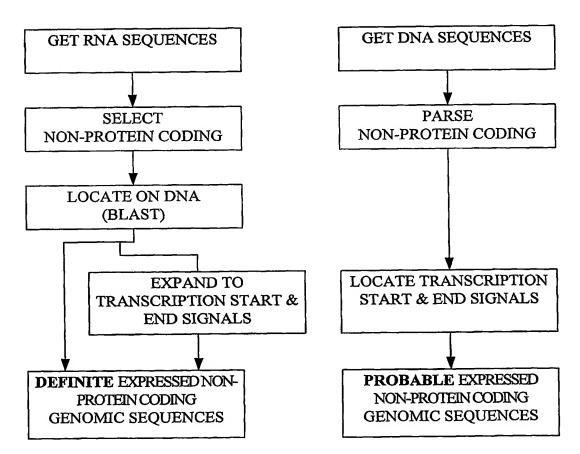


FIG. 5A

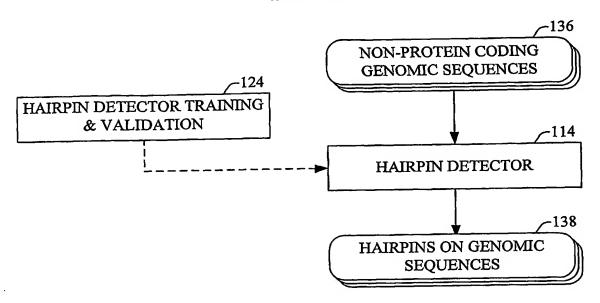
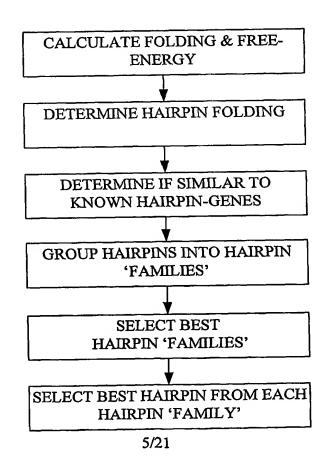
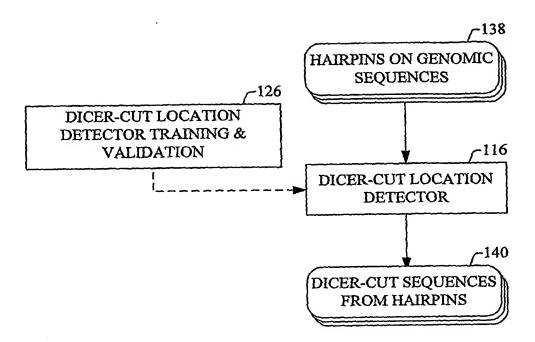


FIG. 5B



.

FIG. 6A



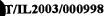


FIG. 6B

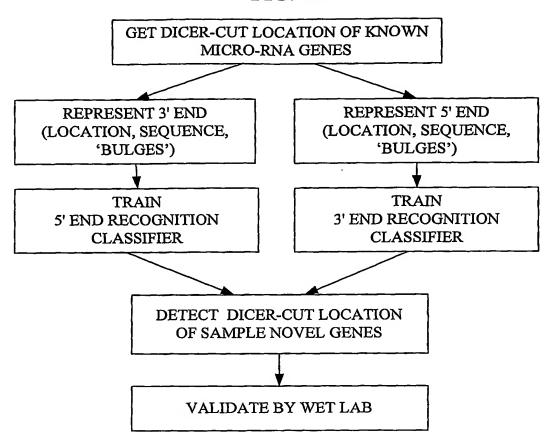
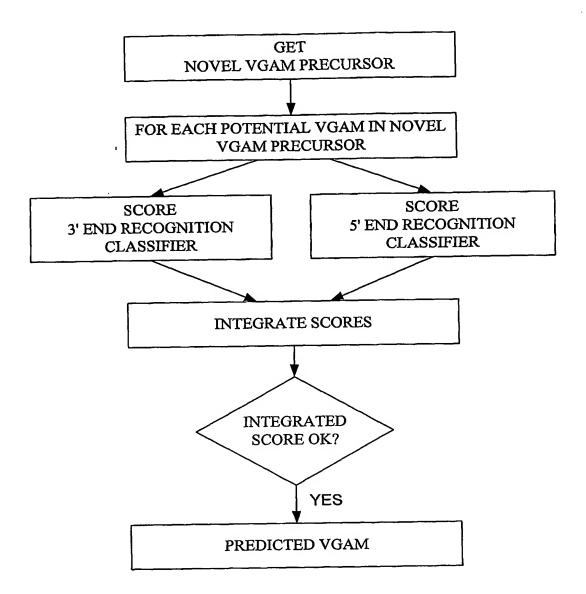
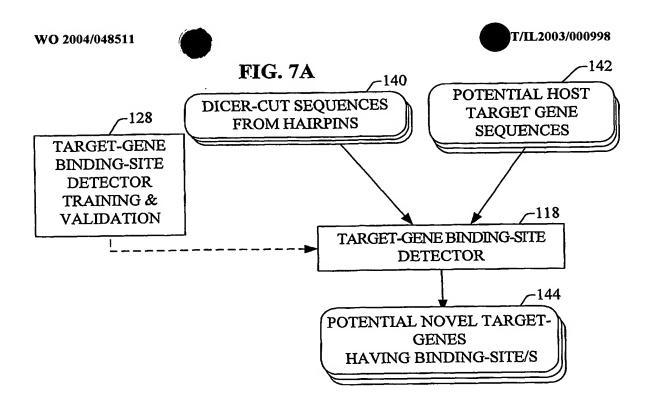
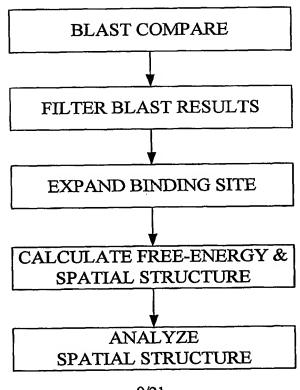


FIG. 6C





**FIG. 7B** 



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FIG. 8

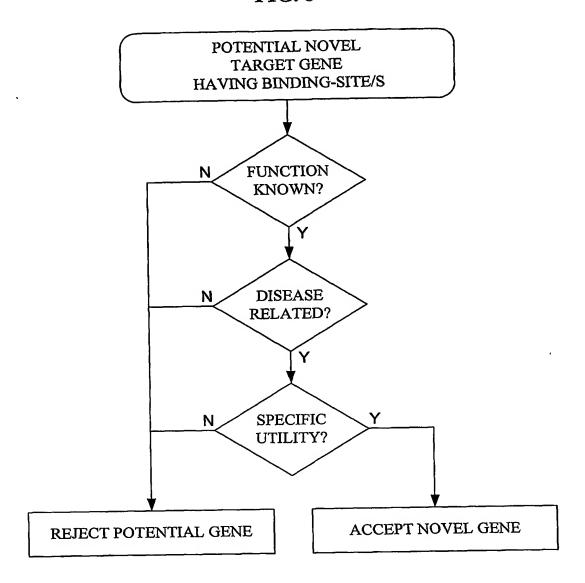
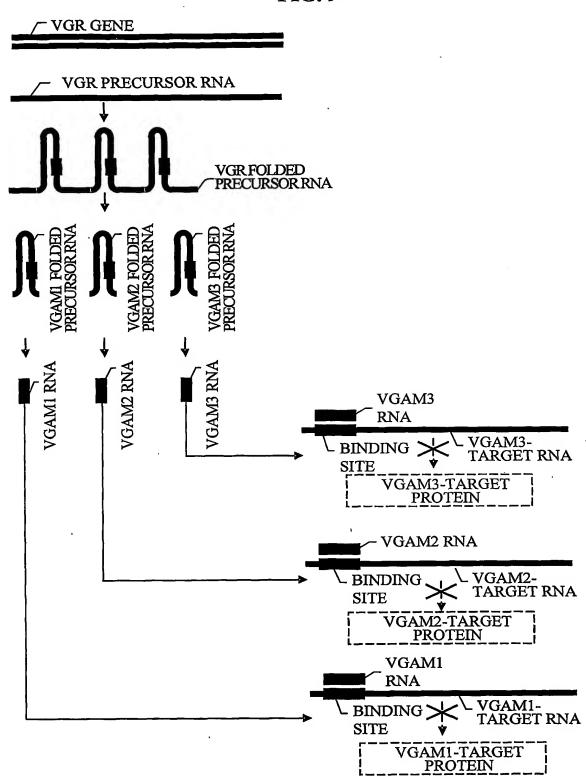
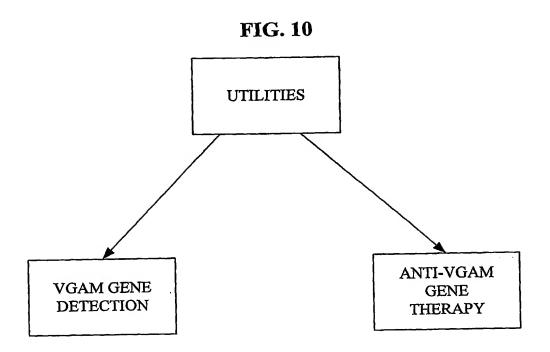
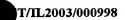


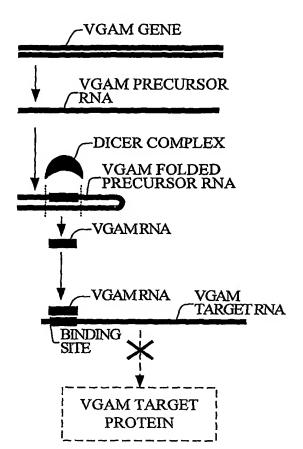
FIG. 9



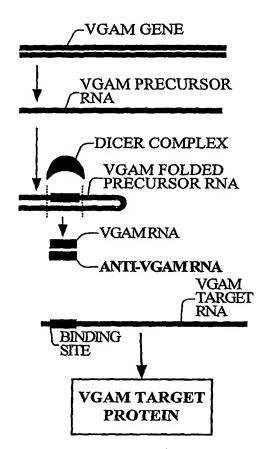




#### **FIG. 11A**



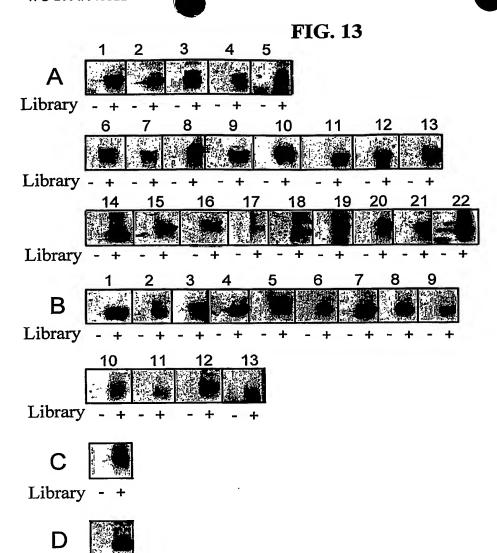
#### **FIG. 11B**

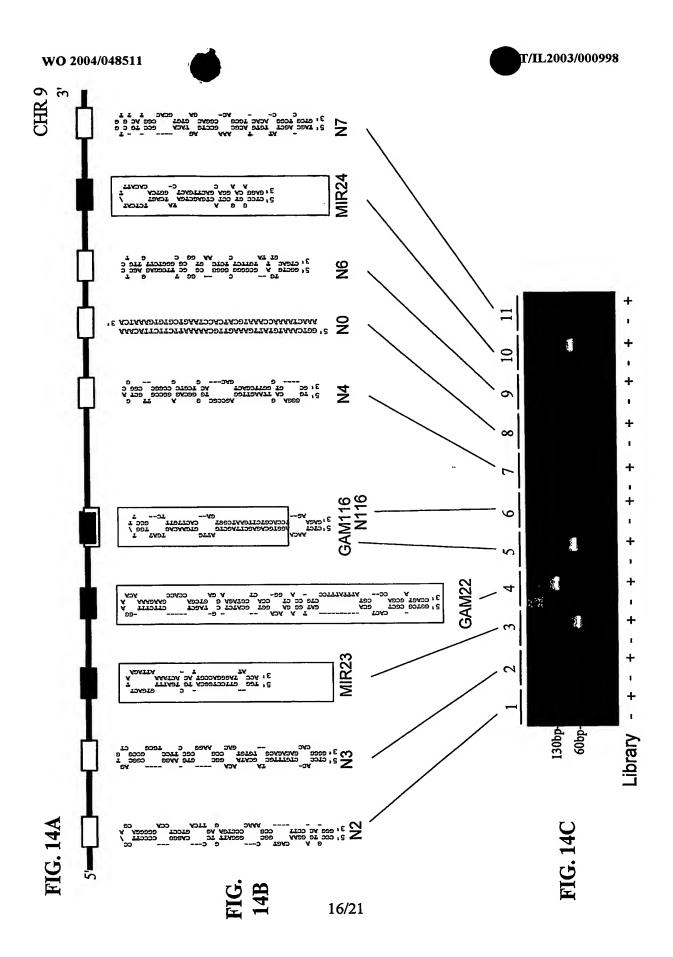


Detection Accuracy Group	Number of Published MIRs	Precision on hairpin mixture	> 1	Lab Validation of Human GAMs	<u>د</u> <u>د</u>	Novel VGAMs of Present
			Sent	Positive	%	
					saccess	
	228	%9L	101	37	37 %	20
	135	41%	99	13	23 %	342
	27	18%	L	1	14 %	212
	20	10%	4	1	25 %	322
	410	44%	168	52	31 %	968

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Library -



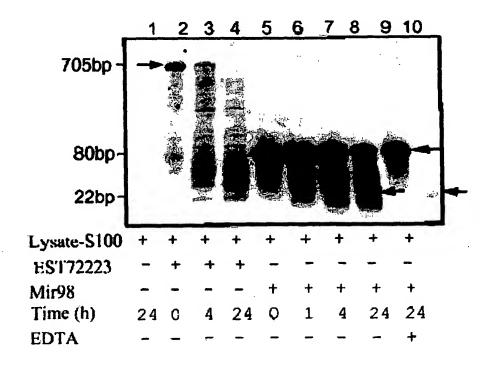


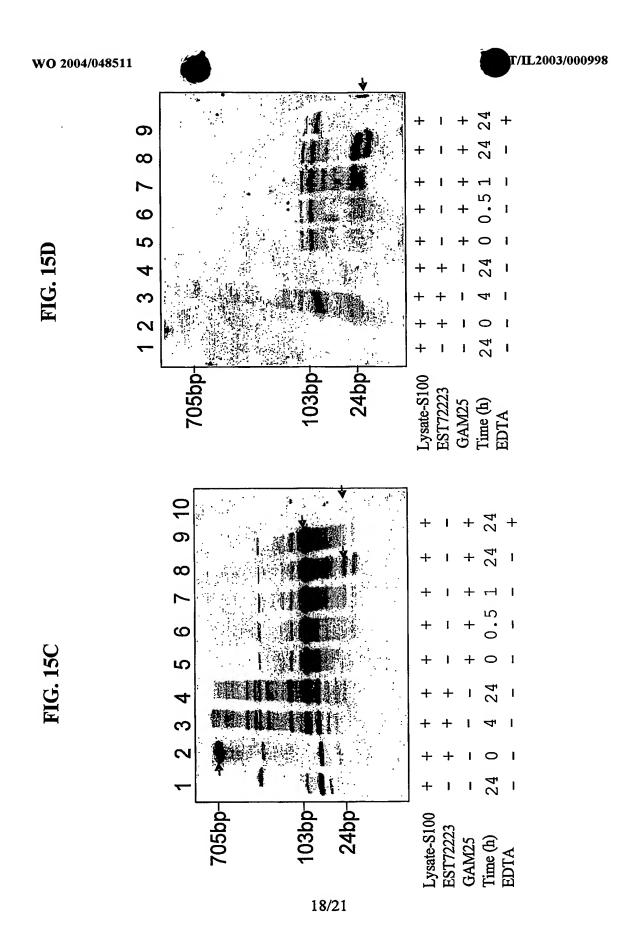
# EST72223 (705 nt.)



EST72223 sequence:

**FIG. 15B** 





## 5'UTR SEQUENCE (5' TO 3') OF HIV-1(U5-R)

GGTCTCTCTGGTTAGACCAGATCTGAGCCTGGGAGCTCTCTGGCTAACT
AGGGAACCCACTGCTTAAGCCTCAATAAAGCTTGCCTTGAGTGCTTCAAGTA
GTGTGTGCCCGTCTGTTGTGTGACTCTGGTAACTAGAGATCCCTCAGACCCTT
TTAGTCAGTGTGGAAAATCTCTAGCAGTGGCGCCCGAACAGGGACCTGAAAG
CGAAAGGGAAACCAGAGGAGCTCTCTCGACGCAGGACTCGGCTTGCTGAA
GCGCGCACGGCAAGAGGCGAGGGGGCGGCGACTGGTGAGTACGCCAAAAA
TTTTGACTAGCGGAGGCTAGAAGGAGAGAG

